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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shigeyuki Sano et al.
Serial No.: 09/389,557
Filed : September 3, 1999
For : CONTROL APPARATUS AND VIDEO EQUIPMENT
Group A.U.: 2731

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Group 2700

I hereby certify that this paper is being deposited
this date with the U.S. Postal Service in first
class mail addressed to: Assistant Commissioner for
Patents, Washington, D.C. 20231.

Jay H. Maioli
Reg. No. 27,213

December 22, 1999
Date

December 22, 1999
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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

As a means of complying with the duty of disclosure set forth in 37 C.F.R. § 1.56 and in keeping with the guidelines of 37 C.F.R. § 1.98, Applicants hereby submit information thought to be relevant to the above-identified application. Also submitted herewith is a completed form PTO-1449.

This information came to light during examination of a

counterpart European Patent Application in the European Patent Office in an Office Action dated November 24, 1999, and it is hereby certified that this information is being submitted within three months of that date.

US Patent No. 5,091,785 (Canfield et al.) apparently relates to a picture-in-picture system for a television receiver with panning and scrolling capability which allows movement of an inset image about a display in synchronism with the vertical field rate in order to provide smooth movement of the inset image.

European Patent Application 0 497 502 (Franz) apparently relates to a computer system employing a keyboard that includes an integrated pointing device coupled to a pointing key. The system has a typing mode and a pointing mode. In the pointing mode, the pointing key is used to enter pointing information, thereby eliminating the need for a separate pointing device such as a mouse. The mode of the system may be switched either explicitly or automatically due to monitoring and timing keyboard events. In addition, in the pointing mode, all the keys are available to designate pointing functions, thus making more functions available to a user than would be available using a pointing device such as a mouse.

European Patent Application 0 631 223 (Sombroek et al.) apparently relates to a CD-I data processing system. Sombroek includes a cursor control means connected to a display for

controlling displacement of a cursor on the display with a user-interface means connected to the cursor control means to allow for user manipulation of the cursor. The cursor control means displaces the controller at a relatively low speed during a predetermined time interval upon activation of the user-interface, and displaces the controller at a higher speed after a predetermined time interval has elapsed.

European Patent Application 0 551 168 (Tsuchida) apparently relates to a display apparatus having a picture-in-picture function for superimposing a sub picture on a main picture being displayed on a screen of a television receiver or the like. Tsuchida includes a field frequency converter for converting the field frequency of a parent-picture video signal, an aspect ratio converter for converting the aspect ratio of the video signal whose field frequency has been converted, child-picture processing means for generating a child-video signal, and synthesizer means for synthesizing the video signal whose aspect ratio has been converted with the video signal obtained from child-picture processor.

UK Patent Application GB 2 310 335 (Combs et al.) apparently relates to consumer use of "television space", video/audio signal streams such as have been broadcast over radio frequency bands or by cable distribution. Combs et al. provides a highly integrated common memory video processor for managing live video images, graphics, audio and compact disc data flow

necessary in a set top device coupled to multiple devices and components. In addition, a single memory for system, video, graphics and electronic program guide information is provided. A single, simplified remote control device can be used to access the entire system.

French Patent 2 744 551 (Didier) is in the French language. No English-language translation of this reference is presently available to those individuals identified in 37 C.F.R. § 1.56(c). A copy of the European Search Report from the European Patent Office is included herewith indicating the relevance of this reference to the above-identified application.

Smooth Travel of Crosshair Cursor on Display Screen

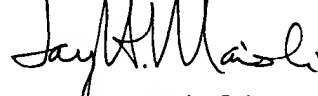
(Anonymous) apparently relates to modes of operation for a crosshair cursor. Specifically, the problem of making the movement of an accelerating cursor smooth and easy is addressed. Assuming that the cursor is refreshed at the end of a screen time frame, the updating of the cursor must be integrated over each accelerated step. As an example, the cursor moves an extra 2 pels per keystroke up to some predetermined number of pels. After that predetermined number of pels is reached, the cursor would move the predetermined number of pels per key stroke. To create smooth movement, the cursor would have to be updated between keystrokes at a repeat action rate.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if a

fee is required for this submission, the Commissioner is authorized to charge the requisite fee to Deposit Account No. 03-3125.

Respectfully submitted,

COOPER & DUNHAM LLP

A handwritten signature in cursive script, appearing to read "Jay H. Maioli".

Jay H. Maioli
Reg. No. 27,213

JHM/KJB
encl.



SAV 2731

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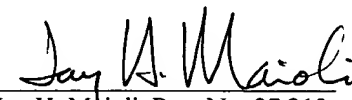
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application.

- ☒ No fee is required.
- ☐ The fee has been calculated as shown below.
- ☐ Total claims in excess of ___ previously paid for, at \$18 (\$9) ___
- ☐ Independent claims in excess of ___ previously paid for, at \$78 (\$39) ___
- ☐ Additional Fee for this Amendment ___
- ☐ This Response is being filed within the ___ first month, ___ second month, ___ third month, ___ fourth month, ___ fifth month following the expiration of the term originally set therefor. Applicants Petition for an extension, and the fee of ___ \$110 (\$55), ___ \$380 (\$190), ___ \$870 (\$435), ___ \$1,360 (\$680), ___ \$1,850 (\$925) is due and paid herewith.
- ☐ The fee of \$___ set by 37 C.F.R. § 1.17(p) for the Information Disclosure Statement is due and paid herewith.
- ☐ A check in the amount of \$___ is attached.
- ☒ Please charge any additional fees or credit any overpayment to Deposit Account No. 03-3125.

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